

Regular Flame Arrester Inspection with zero down time

Spending too much time and money on tank vent maintenance?

PROTEGO® VD/TS Combination Pressure/Vacuum Vent with integrated Flame Arrester can minimize down time.



Challenge

Manpower reduction means less available time for proper maintenance and inspection of tank safety equipment. Many manufacturers' p/v-vent with flame arresters are not „maintenance friendly“ and it becomes a time consuming task just to perform an inspection. In many cases, two people are required to remove the p/v-vent so that the flame arrester can be inspected. Sometimes a crane is required for removal of the conservation vent to allow access to the flame arrester.

Solution

The PROTEGO® VD/TS is a combination pressure/vacuum conservation vent with integrated flame arrester in one compact unit. The 0.4“ thick FLAME FILTER® disc can be easily inspected „in-place“, by simply removing the side mounted weather hood. Because the FLAME FILTER® is only exposed to tank vapors while the tank is out-breathing, the likelihood of clogging is significantly reduced. The typical manufacturers' arrangement results in tank vapor contact with the flame filter 100% of the time, therefore, increasing clogging potential and frequency of required maintenance.



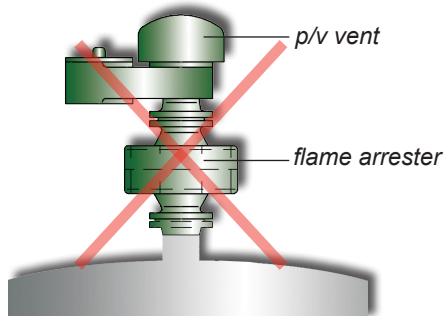
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Service and Solutions through Engineering

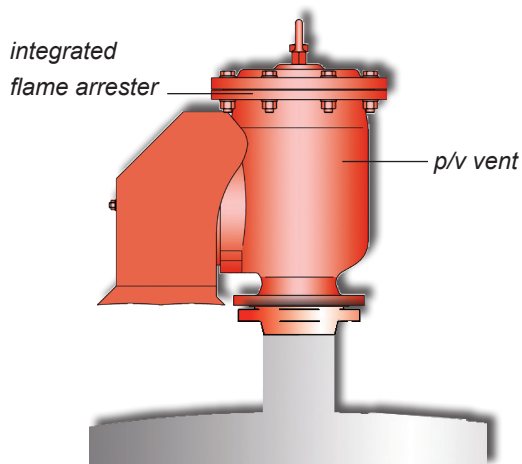


Additional Benefit

The PROTEGO® p/v-vent only requires 10% overpressure above the pressure setpoint for the weight-loaded pallet to fully open. The typical weight-loaded pallet conservation vent requires 80 -100% overpressure above the pressure setpoint to reach full lift. By using the 10% overpressure technology according to API 2000 higher vent pressure set-points can be used compared to an 80% or 100% overpressure vent, resulting in reduced emissions and vapor loss according to API 2521.



*typical competitors' arrangements:
difficult to maintain*



PROTEGO® VD/TS:
easy to maintain and price competitive

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